

DRAFT**PROPOSED DRAFT AGENDA FOR DNFSB STAFF REVIEW****Meeting Dates, Times:**

Subject: Health and Safety in Performing Research and Development at DOE Weapons Laboratories

Facility:

Participants: Wayne L. Andrews, DNFSB Staff
Albert G. Jordan, DNFSB Staff
Donald F. Owen, DNFSB Staff
Jan Preston, DNFSB Staff
DNFSB Senior Outside Experts

Purpose: This meeting is proposed to help DNFSB staff and outside experts better understand the Laboratory's views on how best to create and maintain a safe environment in which R&D can be performed.

Overview: In the past few years there has been an initiative towards implementing formalized conduct of operations, including quality assurance, at DOE defense nuclear facilities. It is recognized that some traditional conduct-of-operations practices may be more suited to routine production and other activities than to R&D and that other methods may be more suited for R&D. Individuals who perform R&D may be in the best position to describe how to assure that the objectives of these requirements are met while still creating an environment conducive to R&D. On one hand, it is desirable to have an environment that promotes the creativity needed to support DOE's Stockpile Stewardship Program. On the other hand, the public and DOE need to be assured of safety. How is this best done?

Agenda: This meeting is intended as a discussion to enable DNFSB staff and outside experts to better understand the Laboratory's thinking on how to create and maintain a working environment for R&D in which:

1. Risks to the health and safety of workers and the public and to the external environment are minimized.
2. The safety of the R&D environment can be demonstrated to laboratory personnel, to external DOE oversight organizations, to other agencies and to the public.
3. Creative and productive R&D is fostered.

Views and perspectives of researchers, facilities managers, division directors, safety professionals and other knowledgeable individuals are solicited. It is anticipated that the various speakers will have different and not always congruent perspectives. Discussions of alternate approaches to managing safety risks in R&D and to demonstrating the effectiveness of these safety management systems are encouraged.

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The Laboratory is requested to propose an agenda and identify participants for discussions of the above subject, including, but not limited to, the following topics:

1. How does the Laboratory distinguish "R&D" activities which may require unique handling from other activities? It is recognized that the spectrum of activities at the Laboratory is broad and includes basic research, applied research, small-scale development, large-scale development, possibly production, testing, analysis, waste management, facilities support, other support, administration, etc.
2. To what degree does the Laboratory currently distinguish between the safety-related roles and responsibilities of researchers, facilities managers and others? Are there any changes that would improve the working environment for R&D while still maintaining safety and the ability to demonstrate safe operations to others?
3. What is the Laboratory's approach to demonstrating to internal management, DOE, other agencies and to the public that they are operating within an appropriate safety envelope? Are any changes desirable?
4. How is the safety basis of a given facility developed for anticipated R&D. Conversely, once a safety basis has been established, how is proposed new R&D evaluated for health and safety aspects in light of the safety basis? How is proposed R&D reviewed for potential health and safety concerns not addressed by the safety basis?

Is each R&D activity categorized based on the potential for significant health and safety consequences? What alternative approach(es) to evaluating proposed R&D for safety are envisioned as being more conducive to R&D?
5. Are independent standing and/or ad hoc safety-related committees desirable or even necessary in reviewing potential safety issues? If so, how can they best be used? What has the Laboratory's experience been in this regard?
6. Is specialized education and training regarding safety needed for researchers and others involved in R&D? What is the most effective way to provide any such training?
7. Do researchers need to be provided with engineering guidance or support in designing, procuring, fabricating and installing specialized apparatus to insure safety, as well as effectiveness?

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Nuclear Facilities
Safety Office

Lawrence Livermore National Laboratory

AGENDA

ES&H in the R&D Environment

Defense Nuclear Facilities Safety Board

DNFSB Staff: Wayne L. Andrews, Albert G. Jordan, and Jan Preston

Outside Experts: John F. Drain, Duane Sewell, and Gerald F. Tape

January 23-25, 1995

Date/Time	Subject	Location	LLNL Participants
Monday, January 23			
2:00	Badging	Westgate Badge Office	A. Garcia
3:00-4:00	Introduce DNFSB Team and Discuss Agenda	B235 R2080-Silver	D. Fisher
Tuesday, January 24			
8:00-8:05	Introduction	B235 R1090-Gold	A. Garcia
8:05-8:15	Inbriefing: Objectives of Staff Visit		J. Preston
8:15-9:45	ES&H Overview: Current Status and Future Directions		D. Fisher
9:45-10:00	BREAK		
10:00-12:00	The Process of ES&H Management for R&D in LLNL Nuclear Facilities		
10:00-11:00	Management of ES&H Requirements for R&D in the Plutonium Facility (Category 2 Nuclear Facility)		D. Alves
11:00-12:00	Management of ES&H for R&D in Category 3 Nuclear Facilities		M. Mintz
12:00-1:00	LUNCH		
1:00-2:00	Discussion of Clean-Slate Alternatives for Managing ES&H for R&D in DOE Nuclear Facilities		D. Fisher and List 4
2:00-3:00	Discussion of DNFSB Questions		G. Cummings and List 4
3:00-3:15	BREAK		

HOST: Abel Garcia, NFSO
CONTACT: Angel Weigel, 510-422-5654
CLEARANCE: SRD, Sigma 3 Visual

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DNFSB SAFETY BOARD

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Defense Nuclear Facilities Safety Board
 DNFSB Staff: Wayne L. Andrews, Albert G. Jordan, and Jan Preston
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January 23-25, 1995

Date/Time	Subject	Location	LLNL Participants
<i>Tuesday, January 24 (Continued)</i>			
3:15-5:15	Group Interviews/Discussions	B235 R1090-Gold	
3:15-5:15	Principal Investigators		See List 1
<i>Wednesday, January 25</i>			
8:00-12:00	Group Interviews/Discussions (continued)	B235 R1090-Gold	
8:00-9:45	Nuclear Facility Managers		See List 2
9:45-10:00	BREAK		
10:00-11:30	Key ES&H Support & Management (Safety/Regulations/Management)		See List 3
11:30-12:00	Executive Session (By Invitation Only)	B235 R1090-Gold	W. Andrews/A. Garcia
12:00	Adjourn		

DEFENSE NUCLEAR FACILITIES SAFETY BOARD (DNFSB)
Health and Safety in Performing R&D at DOE Weapons Laboratories
LOS ALAMOS NATIONAL LABORATORY
LOS ALAMOS, NEW MEXICO

AGENDA
(Rev. 6, 2/15/95)

Review Participants: Albert Jordan, DNFSB Staff
Donald Owen, DNFSB Staff
Jan Preston, DNFSB Staff
John Drain, DNFSB Outside Expert
Duane Sewell, DNFSB Outside Expert
Gerald Tape, DNFSB Outside Expert

Tuesday, February 14

Morning ESH-DO Conference Room, TA-59, OH-29, Room 101

8:00 - 8:10	Welcome	J. Jackson, DD
8:10 - 8:15	Introductions	M. Patterson, DIR/CPT
8:15 - 8:30	DNFSB Staff Objectives	A. Jordan J. Preston
8:30 - 8:45	ES&H Overview	D. Erickson, DESH
8:45 - 9:15	Facility Management Model	S. Crider, FSS
9:15 - 9:45	Facility Manager #1 Perspective	D. Carathers, ESA-FM
9:45 - 10:15	Facility Manager #2 Perspective	D. Post, NMT-8
10:15 - 10:30	Break	
10:30 - 11:30	Roundtable Discussion with Facility Managers	D. Post, NMT-8 D. Carathers, ESA-FM S. Crider, FSS L. Haynes, CST-FM E. Mullens, NIS T. Drypolcher, CST-FM
11:30 - 12:30	Working Lunch (By Invitation Only) Panel Discussion of DNFSB Questions with Directors	J. Jackson, DD D. Erickson, DESH A. Gancarz, DCST R. Burick, DESA T. Baca, DEMP B. van der Hoeven, DFSS B. Matthews, DNMT

Afternoon

12:30 - 12:50	Principal Investigator	S. Yarbrow, NMT-2
12:50 - 1:10	TSE Group Leader	D. Carlson, ESA-TSE
1:10 - 2:00	Roundtable Discussion with Principal Investigators	S. Yarbrow, NMT-2 D. Carlson, ESA-TSE R. Anderson, NIS-6 R. Paternoster, NIS-6
2:00 - 2:20	Program Manager's Perspective	T. Neal, NMRT
2:20 - 2:40	Division Director's Perspective	A. Gancarz, DCST
2:40 - 3:00	Break	
3:00 - 4:00	Roundtable Discussion with ES&H Personnel	B. Hargis, ESH-5 L. McAtee, ESH-1 H. Howard, ESH-3 J. Graf, ESH-DO S. Schilling, ESH-14 R. Smale, ESH-12 R. Brake, ESH-7 K. Alvar, ESH-4

Wednesday, February 15, 1995

8:00 - 8:15	Need for an Integrated Standards Based Management System	D. Harbur, DIR/CPT
8:15 - 8:35	Overview	M. Patterson, DIR/CPT
8:40 - 9:00	Performance Based Approach	J. Loud, AA-2
9:00 - 9:15	Functional Area Structure	D. Harbur, DIR/CPT
9:20 - 9:45	Standards	L. Gritz, PDNW
9:45 - 10:00	Break	
10:00 - 10:20	Implementation	M. Patterson, DIR/CPT
10:20 - 10:55	Assessments and POCs	D. Derkacs, AA-2
11:00 - 11:30	TA-55 Management Walk Around Program	J. Loud, AA-2
11:30 - 11:50	Jump Starting the New Process	R. Robertson, ESH-OIO
11:50 - 12:25	Pilot Program - 10CFR835	J. Graf, ESH-DO

12:30 - 1:00

Closing Discussion
(By Invitation Only)

J. Jackson, DD
M. Patterson, DIR/CPT
D. Erickson, DESH
B. Matthews, DNMT
D. Harbur, DIR/CPT
R. Burick, DESA
T. Baca, DEMP
B. van der Hoeven, DFSS
K. Brittin, DAA

Facilitation: Larry Andrews, DNFSB Liaison